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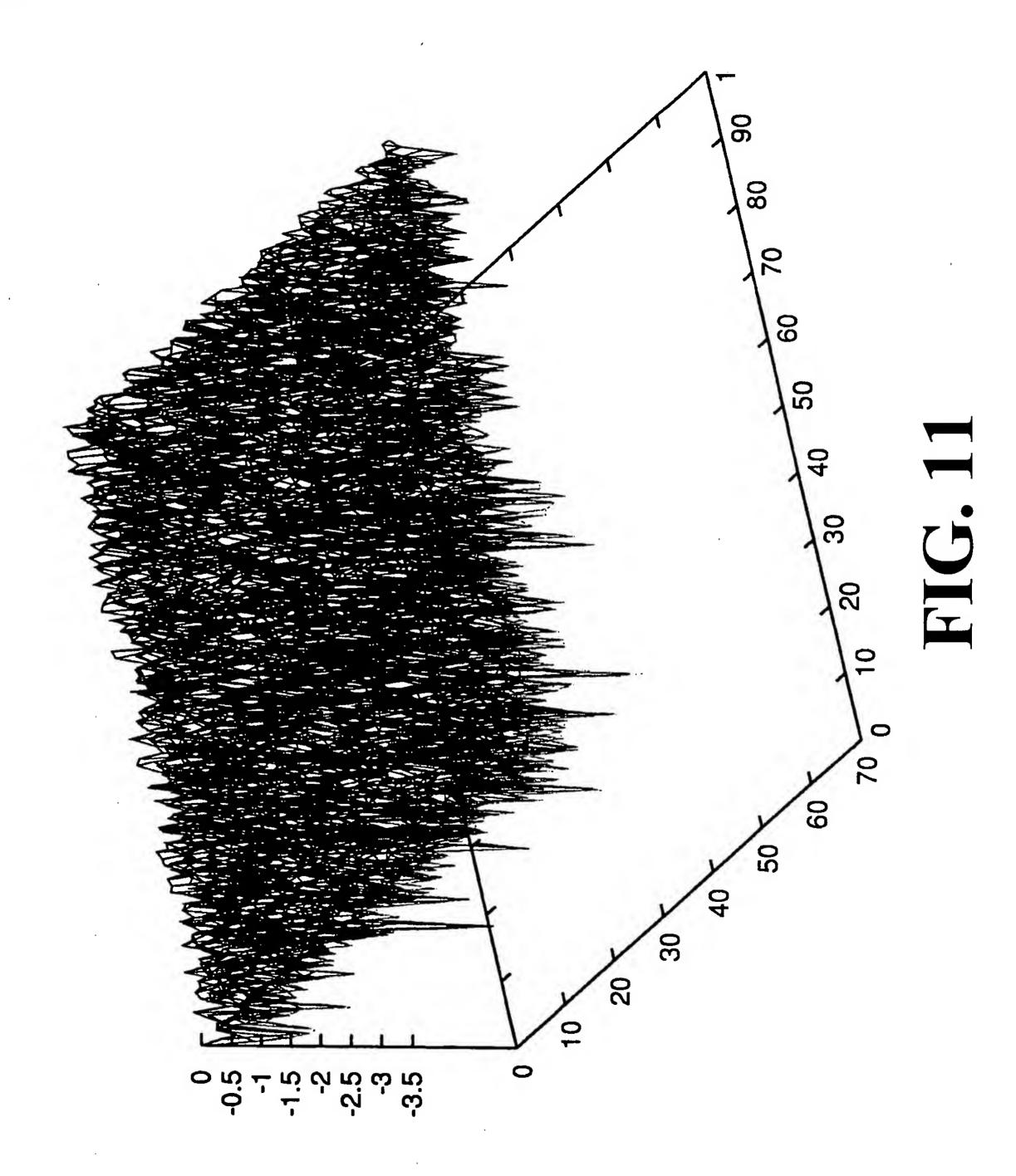
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#### SPARSE AND EFFICIENT BLOCK FACTORIZATION FOR INTERACTION DATA

Francis X. Canning
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